

Amendment Dated: September 18, 2007  
Reply to Office Action of June 20, 2007  
**REPLACEMENT SHEET**

REPLACEMENT SHEET

FIG. I A

<p>exm1009 : R-ELEGLOGIMR-LYQTRIQLAQLVYNKN-----DDNPERALVTQYAIVDNFFEKKMPFKERN-----TEI : 198</p> <p>cry1Aa : S-BIEGLSMNYQ-TYAESPRETEADPT-----NPALREEMRIQFNDMNSALTTAIPLLAVQN-----YQV : 155</p> <p>cry1Ac : S-BIEGLSMNYQ-TYAESPRETEADPT-----NPALREEMRIQFNDMNSALTTAIPLLAVQN-----YQV : 155</p> <p>cry1Ca : A-MIEGLGNNFN-TYVEAFKLEEDPN-----NPATPRTRVDRFRILDGLLERDIPSFRISG-----TEV : 154</p> <p>cry1Ia : T-DIKKGIGDALA-WYHDSELSWVGMRN-----NTRAFSWVKSOYIALELMFYOKLPSFAVSG-----TEV : 183</p> <p>cry3AaL : A-ELOCQJONVVE-DYVSALSSTQKPNPSSR-----NPHSQRGRTRELFSQAESHFRNSTPSFTAISG-----TEV : 199</p> <p>cry3Ba : A-ELOCQJONVFE-DYVNALDSURKAAPVNLR-----SRSRSQRTRELFQSAE SHFRNSTPSFTAISK-----TEV : 200</p> <p>cry3Bb : A-ELOCQJONVFE-DYVNALMSURKTPSLR-----SRSRSQRTRELFQSAE SHFRNSTPSFTAISK-----TEV : 192</p> <p>cry4Aa : K-TILRSFENVIS-TYHMHLKKTJENPN-----PQNTQDVARTQOLVHYHFQNYTPELVNSCOPNPNSDCDYYMI : 204</p> <p>cry6Aa : PLIKSANDIASYGFKVAGDPSTIKRG-----YFKKLQDELDNIVDNNSDDA LAKATKD FKARCG-----IL : 165</p> <p>cry7Aa : A-ELDGEGLSALD-KYOKALADUQKGD-----DPEALLSVATEFRIDSLFESMPSPSKYTG-----YEI : 182</p> <p>cry8Aa : A-ELKCGIGNALD-WYQOSLEDILENRM-----DARTRSVSNQFLAIDLNFVYSSIPSFAVSG-----HEV : 193</p> <p>cry10Aa : S-IVTPITKNOULD-KYQEFFDKQE PART-----HAMAKAHD LFTTLEPI PTDKD DMLEKMAS-----YRI : 197</p> <p>cry16Aa : R-TLADILOGKVD-DYNMULKUKQDDPK-----STGMLSTLVTKFTALDSDFENGARTYVANQSP-----GYEL : 197</p> <p>cry19Ba : S-NLSCMNE5LN-TYMRALAAMQKMN-----NFAASGELIRSYINDLHILFTRDQISDFSLG-----GYET : 187</p> <p>cry24Aa : S-SILMGJXAYTRDYLIGALEAMMMKES-----NTINYQUTWVAFAFKTYEREFFTKLGKLYRTSS-----SQI : 185</p> <p>cry25Aa : G-KTGJLMDTYNTVYKLNUQDQDYDTRIPANPOGD SQUEARRSLEEIRD FRKALAGEFAEAG-----SQI : 189</p> <p>cry40AaL : CTFDGLKLNKYREYYLPYLEAMIKDGPKLQKT-NWSDIGQVLWKYTEL SERD FME LGSSLARNN-----AQI : 184</p>	<p>* 160 * 180 * 200 * 220</p> <p>* 240 * 260 * 280 *</p>	<p>exm1009 : LLLPFYQAQANLHLILLRLADYFG-AQWQLGDEIRDNTIR-----LQGLIREYKDHCITYFNGQG : 257</p> <p>cry1Aa : PLLSVYQAAANLHLISYLRDVSYFG-ORWCFDAATINSRND-----LTRLIGMYTDYAVRWNTG : 214</p> <p>cry1Ac : PLLSVYQAAANLHLISYLRDVSYFG-ORWCFDAATINSRND-----LTRLIGMYTDYAVRWNTG : 214</p> <p>cry1Ca : PLLSVYQAAANLHLAILRD SYTIFG-ERNGCLTTINMENYR-----LIRHIDEYADHCANTYMRG : 213</p> <p>cry1Ia : PLLPVYQAAANLHLILLRDASIFG-KENGLOSSSELSITIFYR-----QVERAEGDYSDHCKVQYSTG : 242</p> <p>cry3AaL : LFLITTYQAQANTHFLLKDQIYG-EWUGYKEKEDIAF YFR-----QLKLQTQYTDHCYKWWNVG : 258</p> <p>cry3Ba : LFLITTYQAQANTHLLLKDQYTFG-EWUGYSSSEDIAF YQR-----QLKLQTQYTDHCYNYWNVG : 259</p> <p>cry3Bb : LFLITTYQAQANTHLLLKDQYTFG-EWUGYSSSEDVAE FTHR-----QLKLQTQYTDHCYNYWNVG : 251</p> <p>cry4Aa : LVLSVYQAQANLHLITLNQAVKAYLKNMRQFDYLEPLPTAI-----DYPVPLTKAEDWNYCVTYKKG : 271</p> <p>cry6Aa : IKEARQEEAAKMTVTSQDFLHQDKKLEGWVINIQKRLKEYQT-----ALNQAHGESSPAHKL : 225</p> <p>cry7Aa : PLITTYQAQANLHLAILRD5TLYG-DKQGFQMMIEENYMR-----QKRRISEYSDHCTKWNSG : 241</p> <p>cry8Aa : LLLAYYQAQVNLLHLILLRDASIFG-EEUGFTPGEISRFYMR-----QVQLTAEYSDYCVKWYKIG : 252</p> <p>cry10Aa : PTLPAYAQLATWHNLKHAATTYIULQNGINPSFTNSSEN -----YQG-YLKERKLOEYTDYCICQTYNAG : 263</p> <p>cry16Aa : LLILPFYQAQANLHLILLRLDAQIYCDKWSARANARDNTYQI-----QLEKTRYTEYCIWYNGKG : 257</p> <p>cry19Ba : VLLPSPYASAANLHLILLRLDAVLYG-KELGPSTDVEFTYNE-----QKYYTEKYSNYCVCNTYKSG : 246</p> <p>cry24Aa : TLLPPTIQAQANLHLISMLRDAVLYQECDNLQSHINYSKELDD-----ALEDYINCYEVYTKG : 242</p> <p>cry25Aa : VLLPYPYQAQANLHLILLRLDAMQFRDLGLLIRPGVFTSAEDP-----FESFLLRIKYIDHCISYYDDG : 256</p> <p>cry40AaL : LLILPFYFCASUCKCQULLLRLDAVYVEQUFPFLSAENVRSELISPNSSGDFTGDDYTERLCKTIAFYTDCEYVYQAG : 259</p>
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FIG. 1B

## REPLACEMENT SHEET

<p>*      320      *      340      *      360      *      380      *      400      *      420      *      440      *      460      *</p> <p>exm1009 : LNOQFMR-----SNAQDWDYFMRFRDMTLTVLDLALIEPMDPFRYP-----LAWKSTELTREVYTDPGFTGVL : 321      cry1Aa : LERYWIG-----PSRDWTRYMDYRFLRLTIVLDIALEFSMDSRYP-----IRTVSQLTREIYTNPVLEN-- : 275      cry1Ac : LERYWIG-----PSRDWTRYMDYRFLRLTIVLDIALEFSMDSRYP-----IRTVSQLTREIYTNPVLEN-- : 275      cry1Ca : LANLPRK-----STYQDWTYMDYLRLDTIVLDIALEFSMDSRYP-----IQWVSQLTREIYTDAIGYHPP : 277      cry1Ia : LANLRLG-----TNAISOTRYMDYRFLRLDTIVLDIALEFSMDSRYP-----IKTAQLTREIYTDAIGYHPP : 306      cry3Aa1 : LDKLRLG-----SYSESUWMDYRFLRLDTIVLDIALEFSMDSRYP-----KEWKTELTRDVLTDPIVGW : 320      cry3Bae : LMSLRG-----STYDAMWTRMFRREMTLVLDLIVLFPFYDVRLYS-----KEWKTELTRDIFTDPFLM : 321      cry3Bb : LMSLRG-----STYDAMWTRMFRREMTLVLDLIVLFPFYDVRLYS-----KEWKTELTRDIFTDPFLSM : 313      cry4Aa : LNLIKTTTPDSNLQDGNIQNTYTYRKTMIAVLDLVALFPNVDWGYF-----IGVQSELIREVTYVNLNTEE5-- : 339      cry6Aa : LEKVN-----LK-----TLERTKAEQDLERKEVSYFLGP-----LLGTVVYEILENTAVQHKN : 278      cry7Aa : LSRING-----STYEQWINTYRFRREMILDLYVAPFHDPRYS-----MESTQLTREIYTDPVSLSLSN : 305      cry8Aa : LDKNG-----TTSKSLVLTNEQFRREMTLVLDLIVLFPFYDVRLYS-----IETTAQLTRDVYDPLAFNVT : 316      cry10Aa : LTMFRT-----MINATDMMNTYRLEMNTVLDLIALEPKNYDPEKP-----IGVQSELIREVTYVNLNTDT-- : 324      cry16Aa : LNDF-----RITAQGQWTFMRYRREMILTVLDLISMPFLYDARLYP-----TEVKTELIREIYSDVINGEYTG : 319      cry19Bc : LESK-----KQIG-WSDTMDYRREMILSVLDIVALEPKNYDPEKP-----GRTHRAELTREIYSDVINDHYYG : 312      cry24Aa : LMALEG-----STADWLELTMNSFERDMTLAVLDLVALEPKNYDPEKP-----LSTKISLSRKIYDTPVGRDSP : 306      cry25Aa : LAKIERSRG-----SDGETWLETRKFERREMILTVLDLVALYVTHNLKLYP-----IPTUTELSRVYVYDTPVGCFGNR : 322      cry40Aa1 : LNIKQAG-----TGAIDWAKTRKFERREMILTVLDLIALEPKNYDPEKP-----LPTRVELTREIYTDPVGYSSGT : 325</p> <p>*      380      *      400      *      420      *      440      *      460      *</p> <p>exm1009 : ESGGATYPWYNNPNTITTAEMMARRPSYTIWLNRIFFYTRTLGMM-----DYNNTIUGGHTLVEENGNDGSEIT : 391      cry1Aa : -----FDGSFRGMAORICONTROPHLDLILNSLITYTDWHRG-----TIVYWSIGHQITIASPVGFSGP- : 331      cry1Ac : -----FDGSFRGSAOGIERSIRSPLHLDLILNSLITYTDWAHRG-----YYWSIGHQIMASPVGFSGP- : 331      cry1Ca : -----LOSAQLPTFNVYMEASAIRNPHLFDLILNNLTFDUSVGR-----MNYTGCHRVISLIGGGN-- : 336      cry1Ia : PSF-TSTIUVNNNAPSFSATEAAVVRNPHLDFQEVLYSILS--RW-----ZNTQYMMWGGKLEFRTRI- : 370      cry3Aa1 : -----NLRGYGTIFSNTIEMYTRKPHLFDYLRGIEFTTRLRPGYSGK-----DSTIYUSSGMVYTRPSIGSD- : 382      cry3Ba : -----ALQEYGPFTSSLNSTRKPHLFDYLRGIEFTTRLRPGYSGK-----DSTIYUSSGMVYTRPSIGSD- : 383      cry3Bb : -----TLOEYGPFTFLSTNSTRKPHLFDYLRGIEFTTRLRPGYFGK-----DSTIYUSSGMVYTRPSIGSK- : 375      cry4Aa : -----PYKYYDFQYQEDSLSTRRPHLFWTWLDSTNTYKAQTPN-----NFTPSHNMFHHTLDNIS- : 395      cry6Aa : -----QIDEIKKOLDSAQHDLDRDYKTIIGMNSINTDIDMLYSQGQE-----AIKYFQKLQGIWATIGAQIE : 340      cry7Aa : -----PDIGPSFSQMENTAATRPHLVDYDLEYIYTSKYKAFSHE-----IQPDLFWYSAHKVSFRKSEOSN : 367      cry8Aa : STG-TCNPWSTHSGLIFYEVMDYTRPPLFIDLSSVETMTRSGGTL-----INDDAYTNWUSIGHTLKYVRT- : 382      cry10Aa : -----FRTLTILEWGLTRNPFLFTWINGRFTYTRNSRDILD-----YD1F5FTENOMAFTHTMDRN- : 382      cry16Aa : -----LMTPYFSFEKAESLYTRAPHLFTWLKGFRFTYNS-----YWTFLSGGONKYSYTNN-----S- : 374      cry19Bc : -----LMVPYFSFEHAESLYTRRPHAFTWLKGFRFTYNS-----STWFLSGGENMRYFLTHEGET- : 368      cry24Aa : SFG-----DWTNTGRTLANFNDLEREYDSTSPLYKWLGDMTYTTGADSYRPTSPGDRIGWYGMNAFYHTGRDYY : 379      cry25Aa : KS-----DIFSRINFDYLFURTRPREPENYLNWSVQLFASTWSNSNG-----EVLRGENLNKIMFEGGTAS : 384      cry40Aa1 : YS-----WIKYUTGAAFTLEAMTRGPGLTVLRSIGGYMEYWSRYFSG-----JWCTRHEDYTTCNGWFQ : 387</p>
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FIG. 1C

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<p>exm1009 : HNFGEKTDSSITPIQYFNFAANLWSVFSIESLARIYLGGTEAMNYITSOGYGSRVIFTNTSMINNVP---G---SLRYEV : 460</p> <p>cry1Aa : EFAFPFLFGNAGNAAPP-VLVSLITGLGIFRTLSSPLTTRILLGSPMANOELFVLDGFESFASLTNLPSITYROR : 405</p> <p>cry1Ac : EFTFLPYGTGMNAAPQRLVACLGQGVYRTLSSTLVSREFN-IGINNOOLSVLDFEFAYG-TSNSLPSAYERS : 404</p> <p>cry1Ca : -ITSPSIYGREANOEPP--RSFTENGPVFRTLSNPLTRLQDQPWAPPENLRGEFSTP----TNSFTYER : 403</p> <p>cry1Ia : GETLIMISTGOSTNTSINPVTLFETSRSRDVYRITESLAGNILFLTOPVNGPRVDFHKEFVTHPIASNMFYYPGAGI : 445</p> <p>cry3Aa1 : LITSPEFYGNKSSEPVQ--NLENGEKYVRAYANTNLAVWPS-AVYSGVTKVEF5QMDQTD--EASTQTYDSEKR- : 451</p> <p>cry3Ba : TITSPEFYGDKSIEPIQ--KLSFDGQKVYRTIANTDIAFPDGKRYFEGTAKVDF5QTDQKN--ETSTQTYDSEKR : 454</p> <p>cry3Bb : TITSPEFYGDKSTEPIQ--KLSFDGQKVYRTIANTDVAAMPNGKVALGVTAKVDF5QTDQKN--ETSTQTYDSEKR : 446</p> <p>cry4Aa : ---QKSSVFVGNHNTWDKLKSIGLATNIYIFLNLVYISLDMKYLDNNNLSKMDFFLTMEFRILEKELTAGSQQLTY : 467</p> <p>cry6Aa : MURTTSLQEYQDSDDADEIQUELEDASDAWLVAQAERQFTNAYSTSNSRNLPTWYISDS-----CNCSST : 406</p> <p>cry7Aa : LYTTCTYGTSGYISSLG--AYSFHGNDDIYTTLAAPSIVTYPTONYGVEQVEFYTKRKH-----YRED : 430</p> <p>cry8Aa : ADSTTYTTANYGRITSEKMSFALEDRDIFINSTVANLAMYOKAYGYPGSWFRMVKRGTSSTAYLYSKHTAL : 457</p> <p>cry10Aa : LINGAHAHGNLISQDTSKVFPTFRANKPDTKVEIVRHREYEDLILYEMIFFSNSSEFVYSSNS-----TII : 445</p> <p>cry16Aa : IMEGSFRGQDQTDDGGTSSTIMPNSVYVNLWNTENVEYIYPGDPWNITKMFSYTDWSS---KELIYGAERT : 445</p> <p>cry19Ba : TYNGFPLGQDTEYYGTSSYD1ISMSSTIYNLWTKNYEULYIYPMTDPWNITKINFSTTNSNS---SESTYGAERM : 439</p> <p>cry24Aa : MFRQTCGDTAYEDPSTFISNLLYDDIYKLDIARAAYSTIQCAMDITFGWSSSRFFEDRERMO-----LYQS : 444</p> <p>cry25Aa : RSGDGWTGTPFSTMDWYSFGWGYGPYKHYAEITSRSOAIPGLMMSTHIVGIDSFRALPGC-----QGDHTFSL : 453</p> <p>cry40Aa1 : RMSGETTSNDLRIDISFPNSDIFKIESKAIINVIGEINARPEYRSRAFESESTAFIYDAG-----</p>	<p>* 460 * 500 * 520 * 520</p> <p>* 480 * 500 * 500 * 500</p> <p>* 540 * 560 * 580 * 580</p> <p>* 540 * 560 * 580 * 580</p>	<p>exm1009 : PANLISQUTLSELPGKDKPRPAIAGEDFSHRLSYISNFNDARSS-SGGIVSLLTFCWAHTSMDRNMRLEPDKITQID : 534</p> <p>cry1Aa : G---TVDSDLVPPQDNMSVPFRAGFSHRLSHYTMISLAAG--AVYTLRAPFTSUQERSAFMNLIPPSQQTQIP : 474</p> <p>cry1Ac : G---TVDSDLEIPPPQDNMSVPFRAGFSHRLSHYTMISLAAG--PMFSWILERSAFMNLIASDSTQIP : 475</p> <p>cry1Ca : G---TVDSDLEIPPDMSVPFRAGFSHRLCHATFVQRSGTP---FLTTGYYFSWTHRSATLTNTIDPERINQIP : 471</p> <p>cry1Ia : G---TQLQDSENELPPEATGQPNTYESYSHLISHGLISAS-----HVKALEYSWTHRSADRTNTIEPNSITQIP : 511</p> <p>cry3Aa1 : NVGAVSNDSIDQLPPETDEPLEKGYSHQHOLNNYMCFLMQGSR---CTIPYLWTWRSVDFFMNDISKKITQIP : 521</p> <p>cry3Ba : NGYLGAQDSIDQLPPETDEPLEKAYSHQHOLNYAECFLMQDQR---CTIPFFWTWRSVDFFMNDIAEKITQIP : 524</p> <p>cry3Bb : NGHYSAQDSIDQLPPETDEPLEKAYSHQHOLNYAECFLMQDQR---CTIPFFWTWRSVDFFMNDIAEKITQIP : 516</p> <p>cry4Aa : DVNMNLFGPLKLRRENQNPFLPTDNYSHLSFKLSLSPATYKTQVYTFATHSSVDPKNTIYTHLTTQIP : 542</p> <p>cry6Aa : TMNTSQYNSMPTTNETSNQYMSHEVTSLPPNNFLSRNSMLEYKCPEMNFMIVYDNNSDUYNNSDUYNN----- : 475</p> <p>cry7Aa : NKYDLTDSIDQLPFDG--EPHEKTHRCHAIALFK5TPDYDN ATIPIFSWTHRSAEYNNRIPNKITKIP : 501</p> <p>cry8Aa : QGCTIQYESSEDEIPLDRT-VPVAESYSHRLSHITSHSFKNG-SAYYGSFPVFWIHTSADLNNTIYSDKITQIP : 530</p> <p>cry10Aa : ENNYRATDSYMLPKQTK--NEEYGHILSYIKTDNYIFSVR--ERRVAFWSWHTSDFQNTIDLDNNTQIH : 514</p> <p>cry16Aa : NKPWRIDFDFLTRKGTELAKYNDWHLSYMLINGEITFGQ---KRHGYSFAFHSSVDPMNTIAANKITQIP : 516</p> <p>cry19Ba : NKPPTRIDFMFLNRAGNGPITDYNHLSYMLINGEITFGQ---KRHGYSFAFHSSVDPMNTIVPDKIVQIP : 510</p> <p>cry24Aa : NKPYPSPSLPITITFPGEESESEGANDYSHLLCDWKILQDSSWICEGRSSLSHAOTHASLDRMNTILLPDEITQIP : 519</p> <p>cry25Aa : PGDDMMNDCKYQINPLEDYNRSDHUJSDMMTINQSVQLASNPQTQFAFSALSLSGWHSSAGRMWVYDKITQIP : 528</p> <p>cry40Aa1 : NSGLSSMMTITSKLPGIRNPEPPSTODYSHRLSNAACVGAGNSR-----INVYGHITHSMSKYMILYPDKITQIP : 516</p>
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FIG. 1D

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	*	620	*	640	*	660	*	680	*	700	*	720	*	740	*	760	*
exm1009	:	AVKGEGGN--IGFWI---PGPTGGNLYKVSIDSWS-----		IKVQAP--QROTSYRIRYACLYTHGDAIFYEH	:	596											
cry1aa	:	LTKSTNLG--SIFTSYVKGPFTEDILRRRTSPG-----		QISTLRYNTAPLSQRYRIRYASTSTWLQFHTSDG	:	542											
cry1ac	:	AVKCFELF--NGSYIS--GPGETGSDIVRINNSGMMI		QMYXTEFWPHTFPSTSTRYRIRYASVTPIHLNWMEN	:	547											
cry1ca	:	LYKGGFRWU--GGTSWITGPGETGSDILRRRTFG-----		DYFSLOYNINSPITQRTRFRYASSRDARYTFLTGIA	:	539											
cry1ia	:	LYKAATNL-----SAGAAYVRGPGETGSDILRRRTNG		TFEDIRYNNINPPAQTYRIRYASTSTDLQFHTSING	:	579											
cry3aa1	:	LYZAKWILQ--SGASASVWAGPRTTGDIDIQCTE-----		MGSAAATTYVTPDVSYSQKTRARHYASTSQTTFSLDG	:	589											
cry3ba	:	VVKAVALS--SGASASLIEGPGETGMLFLKESS-----		NSIAKEKVTLNAAALLQYRIRYASTSTWLRLFQWSN	:	594											
cry3bb	:	VVKAVALS--SGASASLIEGPGETGMLFLKESS-----		NSIAKEKVTLNAAALLQYRIRYASTSTWLRLFQWSN	:	586											
cry4aa	:	AVKAMSLG--TASKWVQGPGETGSDIDFKDHFK-----		ITCQHSMNFQOSYTFIRYASNGSANTRAVTNL	:	606											
cry6aa	:				:	-											
cry7aa	:	AVKTFKLID--DPSTWVKGPGETGSDILWKQSTG-----		HICDIDKATWNSPLSQKTRARHYASTSTWLRLFQWSNQFVNYYIND	:	569											
cry8aa	:	AVKGDMLY--LGGSWYQGPGETGSDILKRRTNPS-----		ILGCTFAVNTGNSLQRYRIRYASTSTDFEFYLGL-	:	597											
cry10aa	:	ALKALKY-----SDSKVTKGPGETGDLWILKS-----		MD.FYRVLFLKVNRSQYQVYRIRYATWAPKTTVFLTGJ	:	579											
cry16aa	:	VVKASSIN--GSISIEKGPGETGDLWIKTRADS-----		GLITMREKFAELLDKTRVIRYKCNYSKLLRKUK	:	582											
cry19Ba	:	AVKTMVHG--ANIKR--GPGETGDLKLKREY-----		--FISLRLR--LIASETFIRYRIRYASNIQGEMINIIG-	:	572											
cry24aa	:	AVTATELR--GNSSVVAGPGETGDELVKMSYHS-----		--VUSFKVYCSELKNYVIRYASHNCQFLMRKWP	:	584											
cry25aa	:	AIKTRPREHP-----MIKGPFGETGDELADLSMS5-DILOQDLBSDDRLTEDVPFRIRCASTCVSTISVDNUIG		--VUSFKVYCSELKNYVIRYASHNCQFLMRKWP	:	597											
cry40aa1	:	AVKAFDISDTGPQWVLAGPGETGENVSLPYYSR-----		--LKTRLIPIASTNKNYLVVRVYRTSTSNGRLIVERWS	:	584											
	*																
exm1009	:	S--GSESHIVSFDCSNSSSGRPENTILESDFRYIDVPGIFTPSIN-----		PLIRYRTQSFG-----THADKFEFIP	:	660											
cry1aa	:	RPINQG-----MFMSATMSSGSMQASGSFRFTVGFTTPFNFMSSESSVFTLSAHVFNSG-----		MEVYIDRIEFIP	:	605											
cry1ac	:	SS1IFSN-----TVPATATSLDNLOSSDFGYESANAFISSLEN-----		MEVYIDRIEFIP	:	607											
cry1ca	:	ASTGYYGGQSYNMPLQKTIMEIGENITSRIRYTDFSMPFSFRAMPDIIGISEQPLFGAGSISSEGLYDKIEIIIL		AGVYIDRIEFIP	:	614											
cry1ia	:	KAINQG-----MFSATMENRGEDLDYKIRRTVGFITTPFSFLDQVQSTFTIGAQNFFSSG-----		MEVYIDRIEFIP	:	642											
cry3aa1	:	APFNQY-----FDKTRIMKDUDLTYNFSNLASFSTPFLSGL-----		DRVYIDRIEFIP	:	650											
cry3ba	:	NDFLVY-----INKTMKDUDLTYQTFDATSNSMGMGFSGDINDFTIGAESFSVSN-----		EKVIYIDRIEFIP	:	657											
cry3bb	:	NDFLVY-----INKTMKDUDLTYQTFDALTINSMGMGFSGDKNELLIGAEFSVSN-----		EKVIYIDRIEFIP	:	649											
cry4aa	:	SIPGVAAELG--MALNPNTFSGIDYINLYKFDQYLEFSNEVKFAPMGNISLVSFNRSDDVYIN-----		TIVLIDKIEFLP	:	676											
cry6aa	:				:	-											
cry7aa	:	KITLQTKQN-----TVEТИGEKDLTYGSFGYEYSTIQLQFPDEHPRITHLSDLMN-----		SFSFYVDSIEFIP	:	635											
cry8aa	:	DTIIEKN-----RFMKIMDNGASLTYETFKASFILDFQFETUTDRILLSMGDFSSG-----		QEYVYIDRIEFIP	:	660											
cry10aa	:	DTISVELP--S-----TISRQNPNATDLYADFGYVTPRTVPAKTFEGEDILLETLYGTPN-----		HSYNYIYIDKIEFLP	:	648											
cry16aa	:	GEFY1000IH--ISPTYG-----AFSYLESFTTITENIFDLTMEVTPYGRQFVEDIP-----		SLILDKIEFLP	:	646											
cry19Ba	:	--YUNPFTFN-----IIPITTSRDYIELKPEDFOLVDTSYIYSGGP5TSSANTLULDNFSNG-----		PV1IDKIEFLP	:	636											
cry24aa	:	STGVAQPUAR-----HNVQGTFSNSMERYEAKYLDIFTITPEEDN-----FAFTIDLESGG-----		DLFIDKIEFLP	:	647											
cry25aa	:	SSSPQVT-----VASTAAASLDTIREYESFOYVSYIPGNNYYFDASDRIRLRLRQPGR-----		LLVDRIEFLP	:	655											
cry40aa1	:	P----S-----SILNSYFFFLPSTGPEDSFSGYVYDILVITFONPGVETIIONLDTP-----INVDRKEFIP		--INVDRKEFIP	:	639											

FIG. 1E

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760	*	
exm1009	:	LNTFPNQSLE----KREQWYNDLFIN : 682
cry1Aa	:	AEVTFEAAY---DLERAQKAVNLF : 628
cry1AC	:	VTATEAAY---MLERAQKAVNLF : 630
cry1Ca	:	ADATEAES---DLERAQKAVNLF : 637
cry1Ia	:	VEVTEAAY---DFEKAQEVTLALFT : 665
cry3Aa1	:	VN----- : 652
cry3Bb	:	VQ----- : 659
cry3Bb	:	VQL----- : 652
cry4Aa	:	ITRSIREDREREKQKLETYQUTINTFYA : 702
cry6Aa	:	----- : -
cry7Aa	:	VDVNYAERE---KLERAQKAVNLF : 658
cry8Aa	:	VDETYEAEQ---DLEAAKKAVNLF : 683
cry10Aa	:	ITQSVLDYTERKQNTIEKTQKLWDLFV : 674
cry16Aa	:	TN----- : 648
cry19Ba	:	LGTTLINDAQ---CYDTYDQMANGEYH : 659
cry24Aa	:	YSGSAFEYEYGKQNTIEKTQKAVNLF : 673
cry25Aa	:	VMPPFLSEQ----E--NKSTSDSLFI : 674
cry40Aa1	:	VNSTALEYEGKQSLEKAQDVWMDLFV : 665

FIG. 1F